

**CRF Errors Corrected by the STIC Systems Branch**

Serial Number: 101029,347

O/P/E  
CRF Processing Date: 1/22/2002  
Edited by: [Signature]  
Verified by: [Signature] (STIC staff)

**ENTERED**

☐ Changed a file from non-ASCII to ASCII

☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.

☐ Edited a format error in the Current Application Data section, specifically:

☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other \_\_\_\_\_.

☐ Added the mandatory heading and subheadings for "Current Application Data".

☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically:

☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:

☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

☐ Inserted colons after headings/subheadings. Headings edited included:

☐ Deleted extra, invalid, headings used by an applicant, specifically:

☒ Deleted: ☒ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file;  
☐ page numbers throughout text; ☐ other invalid text, such as \_\_\_\_\_.

☐ Inserted mandatory headings, specifically: \_\_\_\_\_

☐ Corrected an obvious error in the response, specifically:

☐ Edited identifiers where upper case is used but lower case is required, or vice versa.

☐ Corrected an error in the Number of Sequences field, specifically:

☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

☐ Deleted **ending** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: \_\_\_\_\_

☐ Other: \_\_\_\_\_

**\*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.**

3/1/95



OIPE

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/029,347

DATE: 01/22/2002

TIME: 19:33:20

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\01222002\J029347.raw

PS

3 <110> APPLICANT: Bristol-Myers Squibb Company  
 5 <120> TITLE OF INVENTION: A NOVEL HUMAN LEUCINE-RICH REPEAT CONTAINING PROTEIN  
 EXPRESSED

6 PREDOMINATELY IN SMALL INTESTINE, HLRRS11

8 &lt;130&gt; FILE REFERENCE: D0066

C--&gt; 10 &lt;140&gt; CURRENT APPLICATION NUMBER: US/10/029,347

C--&gt; 10 &lt;141&gt; CURRENT FILING DATE: 2001-12-20

10 &lt;160&gt; NUMBER OF SEQ ID NOS: 28

12 &lt;170&gt; SOFTWARE: PatentIn version 3.0

14 &lt;210&gt; SEQ ID NO: 1

16 &lt;211&gt; LENGTH: 2689

18 &lt;212&gt; TYPE: DNA

19 &lt;213&gt; ORGANISM: homo sapiens

19 &lt;400&gt; SEQUENCE: 1

```

20 cggacggcgtg ggcgcgcgcgc ctggctgacc tgatcctgga ccagtgcgcc gaccggggcg      60
22 cgcgggtgcc gcagatgctg gccccgcgcg agcggctgct ctccatcctg gacgggcggg      120
24 acgagctgcc ggcgctgggg ggccccgagg ccgcgccttg cacagacccc ttcgaggcgg      180
26 cgaaggcggc gggggtgcta ggccggctgc tgagtaaggc gctgctgcc accggccctc      240
28 tgctgggtgac cgcgcgcgcg gccgcgcccg ggaggctgca gggcgccttg tgttcccgcc      300
30 agtgcgcgca ggtgcgcggc ttctccgaca aggacaagaa gaagtatttc tacaagtctt      360
32 tccgggatga gaggagggcc ggcgcgcct accgcttctg gaaggajaac gagacgctgt      420
34 tcgcgctgtg ctctgtgcc ttctgtgtct ggatcgtgtg caccgtgctg cgcgcgcgcg      480
36 tggacgtcgg tggggacctg tcgcgcacgt ccaagaccac cagtcagtg tacctgtttt      540
38 tcacaccag cgttctgagc tcggctccgg tagccgacgg gcccgcgttg caggggcagc      600
40 tgcgaatct gtgcgcctg gccgcgcagg gcgtcctcgg acgcaggggc cagtttgccg      660
42 aaaaaggact ggagcaactg gacgttcgtg gctccaaagt gcagacgctg ttctccagca      720
44 aaaaaggact ggcgggcgtg ctggagacag aggtcaccta ccagttcctc gaccagagct      780
46 tccaggagtt cctgcgcgca ctgtcctacc tgcgtgagga cggcggggtg cccaggaccg      840
48 cagctggcgg cgttgggaca ctctgcgtg ggagcgcaca gcgcacagc caattgggtg      900
50 tcaccacggc ctctctcttc ggaactgtga gcgcggagcg gatgcgcgac atcgagcgcc      960
52 acttcggctg catggtttca gacgtgtga agcaggaggc cctgcgggtg gtgcagggac      1020
54 agggacaggc ctgccccgga gtggcaccag aggtgacgca gggggccaaa gggctcgagg      1080
56 acaccgaaga gccagaggag gaggaggagg gagaggagcc caactaccca ctggagttgc      1140
58 tgtactgcct gtacgagacg caggaggacg cgtttgtgcg ccaagccctg tgcgggttcc      1200
60 cggagctggc gctgcagcga gtgcgcttct gccgcctgga cgtggctgtt ctgagctact      1260
62 gctgaggtg ctgcctgct ggacaggcac tgcgctgat cagctgcaga ttggttctg      1320
64 cgcaggagaa gaagaagaag agcctgggga agcggctcca ggcacagcct ggtggcgcca      1380
66 gttctcaagg caccacaaaa caactgccag cctcccttct tcacccactc ttccaggcaa      1440
68 tgactgaccc actgtgccat ctgagcagcc tcacgtgtgc ccaactgaaa ctccctgacg      1500
70 cgtctgcgcg agacctttct gaggccctga ggcgcagccc cgcactgacg gacgtggccc      1560
72 tctccacaaa caggtcagt gaggcgggac tgcgtatgct gagtggaggc ctagcctggc      1620
74 cgcagtgcag ggtgcagacg gtcagggtac agctgcctga ccccagcaga gggctccagt      1680
76 acctgggtgg tatgcttcgg cagagccccc cctgaccac cctggatctc agcggctgcc      1740
78 aactgcgcgc ccccatggtg acctacctgt gtgcagtcct gcagcaccag ggatgcggcc      1800

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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/029,347

DATE: 01/22/2002

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Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\01222002\J029347.raw

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80 tgcagaccct cagtctggcc tctgtggagc tgagcgagca gtcactacag gagcttcagg 1860
82 ctgtgaagag agcaaaqccq gatctggtca teacacaccc agcgtctggac ggccaccac 1920
84 aacctcccaa ggaactcacc tcgaccttct gaggtctctg tggccagagc aggggtggaag 1980
86 acctagtcca aagtcctctg ggagagaaag gccattcca agggcaggag gatattgctc 2040
88 tggccttttg ggaactttt gagcgagagc gccgcagaca ggcattgtgg aggccagac 2100
90 acggcaccct gcccgctcca ggacaggccc aggcactgcc cctctctcca cactgggggt 2160
92 accctctctc ccccgacccc accactactc caccacactt cctctctga gacctccag 2220
94 ccattccctt tgaataacac ccccgacccc aagccacaat aatgacagcg agagctccaa 2280
96 ttaactaagc acctacctgg cggcagaata accttcaact gctgatccc catctgcagt 2340
98 gtggcccaac agccccaga actatgccc aatagactgg aggtaggcag ttcacctcc 2400
100 ctccctgtta ggaatgagac cctccctgag gctatggccc aggccacag gcgtccagt 2460
102 tctgagatct ttgggaaggg agactagggc aggtggagac agcgagaaac cccgtgctg 2520
104 ggtgggaagc atgaccacat ggtgggtgag caqcccccat gcactgacgg taaattcccc 2580
106 tgtggactca tttctgttgg tttctattac acctggccag gcgtggtaca atacaggctg 2640
108 gtgctcacia aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 2689
111 > SEQ ID NO: 2
112 > LENGTH: 625
113 > TYPE: PRT
114 > ORGANISM: homo sapiens
116 > SEQUENCE: 2
118 Met Leu Ala Gln Pro Gln Arg Leu Leu Phe Ile Leu Asp Gly Ala Asp
119 1 5 10 15
121 Glu Leu Pro Ala Leu Gly Gly Pro Glu Ala Ala Pro Cys Thr Asp Pro
122 20 25 30
124 Phe Glu Ala Ala Ser Gly Ala Arg Val Leu Gly Gly Leu Leu Ser Lys
125 35 40 45
127 Ala Leu Leu Pro Thr Ala Leu Leu Leu Val Thr Thr Arg Ala Ala Ala
128 50 55 60
130 Pro Gly Arg Leu Gln Gly Arg Leu Cys Ser Pro Gln Cys Ala Glu Val
131 65 70 75 80
133 Arg Gly Phe Ser Asp Lys Asp Lys Lys Lys Tyr Phe Tyr Lys Phe Phe
134 85 90 95
136 Arg Asp Glu Arg Arg Ala Glu Arg Ala Tyr Arg Phe Val Lys Glu Asn
137 100 105 110
139 Glu Thr Leu Phe Ala Leu Cys Phe Val Pro Phe Val Cys Trp Ile Val
140 115 120 125
142 Cys Thr Val Leu Arg Gln Gln Leu Glu Leu Gly Arg Asp Leu Ser Arg
143 130 135 140
145 Thr Ser Lys Thr Thr Thr Ser Val Tyr Leu Leu Phe Ile Thr Ser Val
146 145 150 155 160
148 Leu Ser Ser Ala Pro Val Ala Asp Gly Pro Arg Leu Gln Gly Asp Leu
149 165 170 175
151 Arg Asn Leu Cys Arg Leu Ala Arg Glu Gly Val Leu Gly Arg Arg Ala
152 180 185 190
154 Gln Phe Ala Glu Lys Glu Leu Glu Gln Leu Glu Leu Arg Gly Ser Lys
155 195 200 205
157 Val Gln Thr Leu Phe Leu Ser Lys Lys Glu Leu Pro Gly Val Leu Glu
158 210 215 220
160 Thr Glu Val Thr Tyr Gln Phe Ile Asp Gln Ser Phe Gln Glu Phe Leu

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Input Set : A:\PTO.AMC.txt

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161 225          230          235          240
163 Ala Ala Leu Ser Tyr Leu Leu Glu Asp Gly Gly Val Pro Arg Thr Ala
164          245          250          255
166 Ala Gly Gly Val Gly Thr Leu Leu Arg Gly Asp Ala Gln Pro His Ser
167          260          265          270
169 His Leu Val Leu Thr Thr Arg Phe Leu Phe Gly Leu Leu Ser Ala Glu
170          275          280          285
172 Arg Met Arg Asp Ile Glu Arg His Phe Gly Cys Met Val Ser Glu Arg
173          290          295          300
175 Val Lys Gln Glu Ala Leu Arg Trp Val Gln Gly Gln Gly Gln Gly Cys
176 305          310          315          320
178 Pro Gly Val Ala Pro Glu Val Thr Glu Gly Ala Lys Gly Leu Glu Asp
179          325          330          335
181 Thr Glu Glu Pro Glu Glu Glu Glu Glu Gly Glu Glu Pro Asn Tyr Pro
182          340          345          350
184 Leu Glu Leu Leu Tyr Cys Leu Tyr Glu Thr Gln Glu Asp Ala Phe Val
185          355          360          365
187 Arg Gln Ala Leu Cys Arg Phe Pro Glu Leu Ala Leu Gln Arg Val Arg
188          370          375          380
190 Phe Cys Arg Met Asp Val Ala Val Leu Ser Tyr Cys Val Arg Cys Cys
191 385          390          395          400
193 Pro Ala Gly Gln Ala Leu Arg Leu Ile Ser Cys Arg Leu Val Ala Ala
194          405          410          415
196 Gln Glu Lys Lys Lys Lys Ser Leu Gly Lys Arg Leu Gln Ala Ser Leu
197          420          425          430
199 Gly Gly Gly Ser Ser Gln Gly Thr Thr Lys Gln Leu Pro Ala Ser Leu
200          435          440          445
202 Leu His Pro Leu Phe Gln Ala Met Thr Asp Pro Leu Cys His Leu Ser
203          450          455          460
205 Ser Leu Thr Leu Ser His Cys Lys Leu Pro Asp Ala Val Cys Arg Asp
206 465          470          475          480
208 Leu Ser Glu Ala Leu Arg Ala Ala Pro Ala Leu Thr Glu Leu Gly Leu
209          485          490          495
211 Leu His Asn Arg Leu Ser Glu Ala Gly Leu Arg Met Leu Ser Glu Gly
212          500          505          510
214 Leu Ala Trp Pro Gln Cys Arg Val Gln Thr Val Arg Val Gln Leu Pro
215          515          520          525
217 Asp Pro Gln Arg Gly Leu Gln Tyr Leu Val Gly Met Leu Arg Gln Ser
218          530          535          540
220 Pro Ala Leu Thr Thr Leu Asp Leu Ser Gly Cys Gln Leu Pro Ala Pro
221 545          550          555          560
223 Met Val Thr Tyr Leu Cys Ala Val Leu Gln His Gln Gly Cys Gly Leu
224          565          570          575
226 Gln Thr Leu Ser Leu Ala Ser Val Glu Leu Ser Glu Gln Ser Leu Gln
227          580          585          590
229 Glu Leu Gln Ala Val Lys Arg Ala Lys Pro Asp Leu Val Ile Thr His
230          595          600          605
232 Pro Ala Leu Asp Gly His Pro Gln Pro Pro Lys Glu Leu Ile Ser Thr
233          610          615          620

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Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\01222002\J029347.raw

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235 Phe
236 625
238 <210> SEQ ID NO: 3
239 <211> LENGTH: 1429
240 <212> TYPE: PRT
241 <213> ORGANISM: homo sapiens
243 <400> SEQUENCE: 3
245 Met Ala Gly Gly Ala Trp Gly Arg Leu Ala Cys Tyr Leu Glu Phe Leu
246 1 5 10 15
248 Lys Lys Glu Glu Leu Lys Glu Phe Gln Leu Leu Leu Ala Asn Lys Ala
249 20 25 30
251 His Ser Arg Ser Ser Ser Gly Glu Thr Pro Ala Gln Pro Glu Lys Thr
252 35 40 45
254 Ser Gly Met Glu Val Ala Ser Tyr Leu Val Ala Gln Tyr Gly Glu Gln
255 50 55 60
257 Arg Ala Trp Asp Leu Ala Leu His Thr Trp Glu Gln Met Gly Leu Arg
258 65 70 75 80
260 Ser Leu Cys Ala Gln Ala Gln Glu Gly Ala Gly His Ser Pro Ser Phe
261 85 90 95
263 Pro Tyr Ser Pro Ser Glu Pro His Leu Gly Ser Pro Ser Gln Pro Thr
264 100 105 110
266 Ser Thr Ala Val Leu Met Pro Trp Ile His Glu Leu Pro Ala Gly Cys
267 115 120 125
269 Thr Gln Gly Ser Glu Arg Arg Val Leu Arg Gln Leu Pro Asp Thr Ser
270 130 135 140
272 Gly Arg Arg Trp Arg Glu Ile Ser Ala Ser His Leu Tyr Gln Ala Leu
273 145 150 155 160
275 Pro Ser Ser Pro Asp His Glu Ser Pro Ser Gln Glu Ser Pro Asn Ala
276 165 170 175
278 Pro Thr Ser Thr Ala Val Leu Gly Ser Trp Gly Ser Pro Pro Gln Pro
279 180 185 190
281 Ser Leu Ala Pro Arg Glu Gln Glu Ala Pro Gly Thr Gln Trp Pro Leu
282 195 200 205
284 Asp Glu Thr Ser Gly Ile Tyr Tyr Thr Glu Ile Arg Glu Arg Glu Arg
285 210 215 220
287 Glu Lys Ser Glu Lys Gly Arg Pro Pro Trp Ala Ala Val Val Gly Thr
288 225 230 235 240
290 Pro Pro Gln Ala His Ser Ser Leu Gln Pro His His His Pro Trp Glu
291 245 250 255
293 Pro Ser Val Arg Glu Ser Leu Cys Ser Thr Trp Pro Trp Lys Asn Glu
294 260 265 270
296 Asp Phe Asn Gln Lys Phe Thr Gln Leu Leu Leu Leu Gln Arg Pro His
297 275 280 285
299 Pro Arg Ser Gln Asp Pro Leu Val Lys Arg Ser Trp Pro Asp Tyr Val
300 290 295 300
302 Glu Glu Asn Arg Gly His Leu Ile Glu Ile Arg Asp Leu Phe Gly Pro
303 305 310 315 320
305 Gly Leu Asp Thr Gln Glu Pro Arg Ile Val Ile Leu Gln Gly Ala Ala
306 325 330 335

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Input Set : A:\PTO.AMC.txt

Output Set : N:\CRF3\01222002\J029347.raw

```

308 Gly Ile Gly Lys Ser Thr Leu Ala Arg Gln Val Lys Glu Ala Trp Gly
309           340           345           350
311 Arg Gly Gln Leu Tyr Gly Asp Arg Phe Gln His Val Phe Tyr Phe Ser
312           355           360           365
314 Cys Arg Glu Leu Ala Gln Ser Lys Val Val Ser Leu Ala Glu Leu Ile
315           370           375           380
317 Gly Lys Asp Gly Thr Ala Thr Pro Ala Pro Ile Arg Gln Ile Leu Ser
318 385           390           395           400
320 Arg Pro Glu Arg Leu Leu Phe Ile Leu Asp Gly Val Asp Glu Pro Gly
321           405           410           415
323 Trp Val Leu Gln Glu Pro Ser Ser Glu Leu Cys Leu His Trp Ser Gln
324           420           425           430
326 Pro Gln Pro Ala Asp Ala Leu Leu Gly Ser Leu Leu Gly Lys Thr Ile
327           435           440           445
329 Leu Pro Glu Ala Ser Phe Leu Ile Thr Ala Arg Thr Thr Ala Leu Gln
330           450           455           460
332 Asn Leu Ile Pro Ser Leu Glu Gln Ala Arg Trp Val Glu Val Leu Gly
333 465           470           475           480
335 Phe Ser Glu Ser Ser Arg Lys Glu Tyr Phe Tyr Arg Tyr Phe Thr Asp
336           485           490           495
338 Glu Arg Gln Ala Ile Arg Ala Phe Arg Leu Val Lys Ser Asn Lys Glu
339           500           505           510
341 Leu Trp Ala Leu Cys Leu Val Pro Trp Val Ser Trp Leu Ala Cys Thr
342           515           520           525
344 Cys Leu Met Gln Gln Met Lys Arg Lys Glu Lys Leu Thr Leu Thr Ser
345           530           535           540
347 Lys Thr Thr Thr Thr Leu Cys Leu His Tyr Leu Ala Gln Ala Leu Gln
348 545           550           555           560
350 Ala Gln Pro Leu Gly Pro Gln Leu Arg Asp Leu Cys Ser Leu Ala Ala
351           565           570           575
353 Glu Gly Ile Trp Gln Lys Lys Thr Leu Phe Ser Pro Asp Asp Leu Arg
354           580           585           590
356 Lys His Gly Leu Asp Gly Ala Ile Ile Ser Thr Phe Leu Lys Met Gly
357           595           600           605
359 Ile Leu Gln Glu His Pro Ile Pro Leu Ser Tyr Ser Phe Ile His Leu
360           610           615           620
362 Cys Phe Gln Glu Phe Phe Ala Ala Met Ser Tyr Val Leu Glu Asp Glu
363 625           630           635           640
365 Lys Gly Arg Gly Lys His Ser Asn Cys Ile Ile Asp Leu Glu Lys Thr
366           645           650           655
368 Leu Glu Ala Tyr Gly Ile His Gly Leu Phe Gly Ala Ser Thr Thr Arg
369           660           665           670
371 Phe Leu Leu Gly Leu Leu Ser Asp Glu Gly Glu Arg Glu Met Glu Asn
372           675           680           685
374 Ile Phe His Cys Arg Leu Ser Gln Gly Arg Asn Leu Met Gln Trp Val
375           690           695           700
377 Pro Ser Leu Gln Leu Leu Leu Gln Pro His Ser Leu Glu Ser Leu His
378 705           710           715           720
380 Cys Leu Tyr Glu Thr Arg Asn Lys Thr Phe Leu Thr Gln Val Met Ala

```

→

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/029,347

DATE: 01/22/2002

TIME: 19:33:21

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\01222002\J029347.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:919 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7

L:921 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7